

**United States Patent**

**6,411,936**

**Sanders**

**June 25, 2002**

---

**Enterprise value enhancement system and method**

**Abstract**

An enterprise value enhancement system, method, and apparatus that uses an enterprise value enhancement model based on planning loop structures. The system receives field feedback input from users in response to surveys generated by a field feedback survey generator. A switchboard in the system sends this feedback, as well as data from one or more databases, to parts of the system including a performance processor, a customer asset valuation processor, a performance metrics engine, and a value enhancement solution generator, which generates value enhancement solutions and delivers recommended solutions for value enhancement of the enterprise, with linkages to specific functions.

**Comments relative to the current invention:**

This prior patent is a complex, survey-based planning and asset manager directed at increasing enterprise value through manipulation of information. It is not intended to overcome middle-manager filters, get critical information to senior managers, diminish the probability of creating organizational whistleblowers, or provide for issue and concern integration, aggregation, and dissemination. This previous patent does not and

could not aggregate issues and concerns from multiple real time sources for a company or for an industry and generate the associated reports for responsible senior managers, government regulators, or the public.

**United States Patent**

**6,134,539**

**O'Connor , et al.**

**October 17, 2000**

System, method and article of manufacture for a goal based education and reporting system

**Abstract**

A system is disclosed that provides a goal based learning system utilizing a rule based expert training system to provide a cognitive educational experience. The system provides the user with a simulated environment that presents a business opportunity to understand and solve optimally. Mistakes are noted and remedial educational material presented dynamically to build the necessary skills that a user requires for success in the business endeavor. The system utilizes an artificial intelligence engine driving individualized and dynamic feedback with synchronized video and graphics used to simulate real-world environment and interactions. Multiple "correct" answers are integrated into the learning system to allow individualized learning experiences in which navigation through the system is at a pace controlled by the learner. A robust business model provides support for realistic activities and allows a user to experience real world consequences for their actions and decisions and entails realtime decision-making and synthesis of the educational material. A dynamic feedback system is utilized to provide a report on one or more students' progress to assist in defining the educational goal.

**C mments relative to the current invention:**

This is a canned instructional system intended to improve skills using sophisticated multi-media support and artificial intelligence strategies and is not intended to improve a corporate safety culture or integrity as intended under the current invention. The reporting is for the benefit of the student and is limited to student improvement. This previous patent does not and could not aggregate issues and concerns from multiple real time sources for a company or for an industry and generate the associated reports for responsible senior managers, government regulators, or the public.

**United States Patent**

**6,256,640**

**Smalley , et al.**

**July 3, 2001**

---

## **System for managing regulated entities**

### **Abstract**

A regulatory agency with the responsibility of administering regulations uses a system with joint-usage capabilities, including data about regulated entities that are subject to the laws and rules administered by the agency and software for accessing the data. The joint-usage capabilities are preferably used by all subdivisions or departments of the agency that have similar functions or administer regulations on the same regulated entities.

Variations in the ways that the departments administer regulations are handled two ways. First, each regulated entity may have several subject items defined in the joint-usage data with each subject item related to the regulations that a single department administers. Thus, if two departments are responsible for a single regulated entity, each may create one or more subject items in the joint-usage data describing the regulated objects, activities, or other aspects of that regulated entity. Second, when one department's regulations require storage of data that is inconsistent with how the majority of departments administer their regulations, department- or program-specific capabilities are used to store the program-specific data. The system merges the program-specific data with the joint-usage data, so that the users have a seamless view of the data related to administering regulations applicable to the regulated entities. This enables the regulatory

agency to produce "multimedia" permits, inspections and enforcement orders. The system is flexible enough to be used equally as well by separated program areas.

**Comments relative to the current invention:**

This previous invention helps regulators manage regulations and the associated regulated entities, using sophisticated databases accessible to multiple divisions of the regulatory organization so that the details of how the regulations are applied in specific cases are not lost and are, indeed, readily available to the regulators. This previous patent does nothing to improve the internal safety culture or provide lower level worker inputs regarding their issues or concerns or propose corrective actions of the agency. This previous patent does not and could not aggregate issues and concerns from multiple real time sources for a company or for an industry and generate the associated reports for responsible senior managers, government regulators, or the public.

**United States Patent**

**6,341,287**

**Sziklai , et al.**

**January 22, 2002**

---

**Integrated change management unit**

**Abstract**

An integrated system for managing changes in regulatory and non-regulatory requirements for business activities at an industrial or commercial facility. Application of this system to environmental, health and safety activities, and to food, drug, cosmetic, and medical treatment and device activities, are discussed as examples. The system: provides one or more databases that contain information on operations and requirements concerning an activity or area of business; receives information on regulatory and non-regulatory changes that affect operations of the business; converts these changes into changes in data entry forms, data processing and analysis procedures, and presentation (by printing, electronic display and/or distribution) of data processing and analysis results to selected recipients, without requiring the services of one or more programmers to re-key and/or reformat the items affected by the change; and implements receipt of change information and dissemination of data processing and analysis results using the facilities of the Internet.

**Comments relative to the current invention:**

This previous patent provides automation means for managing changes to requirements,

facilitating the implementation of those changes using the Internet. It incorporates

information on operations and requirements, distributing results to selected recipients.

This previous patent does nothing to improve the organization's internal safety culture or

provide lower level worker inputs regarding their issues or concerns or propose corrective

actions for the organization. This previous patent is a top-down system, does not and

could not aggregate issues and concerns upward in the organization from multiple real

time sources for a company or for an industry, and is not intended to generate the

associated reports for responsible senior managers, government regulators, or the public.

**United States Patent**

**6,557,009**

**Singer , et al.**

**April 29, 2003**

---

**Environmental permit web portal with data validation capabilities**

**Abstract**

A system is disclosed that allows remote, regulated entity users web based access to authorization data, such as permit data in an environmental regulatory permitting or management system. The user can enter, edit and submit permit and compliance data in the environmental permitting system controlled by a regulating agency in real-time via a web browser over the Internet. The system can also validate submitted information in real-time and allows the user to correct the data. Electronic certification with a unique signature is also performed. Fee payment can be made electronically in real-time through the permitting system with an electronic payments system with a corresponding credit being made to the relevant department general ledger account.

**Comments relative to the current invention:**

This previous patent provides regulated entity users access to information useful to creating and validating information submitted in pursuit of an authorization permit. This previous patent does nothing to improve the internal safety culture or provide lower level worker inputs regarding their issues or concerns or propose corrective actions for the organization. This previous patent is a top-down system, does not and could not

Charles Ray Jones, Automated Issue-Communication Method...

---

aggregate issues and concerns from multiple real time sources for a company or for an industry, and is not intended to generate and facilitate the associated reports to responsible senior managers, government regulators, or the public.

---

**United States Patent**

**6,324,650**

**Ogilvie**

**November 27, 2001**

---

**Message content protection and conditional disclosure**

**Abstract**

Methods and systems are provided for controlling the disclosure of sensitive information.

Disclosure is controlled in the sense that (a) the information is not disclosed until predefined conditions are met, such as the passage of a certain time without an authorized update request for secrecy, (b) copies of the information are protected by encryption and by widespread, unpredictable storage, so that at least one copy will be available when disclosure is required, (c) the information is kept secret until disclosure is required, and (d) when disclosure is required, the information is sent to predefined destinations such as email addresses or posted to web sites, in a predefined format.

**Comments relative to the current invention:**

This previous invention deals with sensitive information release criteria and encryption that apply “until disclosure is required” rather than promoting the communication of information within an organization or industry. It is intended primarily to hide and delay the release of individual pieces of sensitive information. While this previous invention demonstrates that sensitive information can be controlled and managed using automation, it does not address the aggregation, integration, peer review, and safety culture

improvements that are the objectives and elements of the current invention, either for a company or for an industry, and is not intended to generate the associated reports for responsible senior managers, government regulators, or the public.